Absolute Raid Bot: Worked Example

One raid night, end to end, with fictitious raiders · Absolute Raid Bot 1.0.0 and Absolute Raid Management 0.2.0

Every file here was produced by the real code. The bot made the snapshot. Absolute Raid Management (run in our test harness) loaded it and logged a Barrow Deeps raid night: bosses, presence checks, sealed-bid loot and an in-game correction. The addon exported the night, and the bot imported it and made the report. The files are **Example-DKP-Report.pdf**, **dkp-snapshot-c0f2d1ee.txt** and **raid-export.json**.

The night at a glance

When (Arizona)	Where	What happens
Wed Nov 11, 6:00 PM	Discord	An admin runs `/dkpadmin snapshot pool: Main`. The bot posts the snapshot file.
6:40 PM	In game	The raid leader (Valdrek) pastes it with `/arm import`: Snapshot loaded: 20 raiders in "Main".
7:00 PM to 10:10 PM	In game	Barrow Deeps: 4 bosses (one wipe), 6 items by sealed bid or roll, 1 disenchant, a presence check at the raid start and at every kill.
10:20 PM	In game	`/arm export bot`. The leader saves the text as `raid-export.json`.
10:40 PM	Discord	An admin runs `/dkpadmin import` with the file, then `/dkpadmin report`.

1. The bot's export: the DKP snapshot

What it is: every active character's spendable DKP, the master list for tonight, as plain text the raid leader can paste into the game. It overwrites the addon's pool of the same name.

Its layout:

Line	Meaning
`ARB-SNAPSHOT 1`	Format and version. The addon refuses anything else.
`id=c0f2d1ee`	The snapshot's ID. The raid export carries it back, so the bot knows which snapshot the raid started from.
`guild=` / `pool=Main` / `mode=dkp`	Guild, points pool name and mode. The addon creates or overwrites the pool named here.
`created=1794445200`	When the bot made it (Unix time: Nov 11, 06:00 PM Arizona).
`count=20` / `sum=27087`	How many raiders, and a check number. A paste cut short or changed while copying is refused.
`Name,CLASS,balance`	One line per character, highest DKP first.
`END`	The last line. Without it the paste is treated as cut short.

The file:

```
ARB-SNAPSHOT 1
id=c0f2d1ee|guild=Absolute Gaming|pool=Main|mode=dkp|created=1794445200|count=20|sum=27087
Morwen,SHAMAN,86
Brannoc,WARRIOR,82
Dravenor,WARLOCK,82
Halvena,PRIEST,82
Ithren,MAGE,82
Lunavael,DRUID,82
Oswin,SHAMAN,82
Sylvaris,HUNTER,82
Thalgrim,WARRIOR,82
Valdrek,SHAMAN,82
Vexmora,WARLOCK,82
Corvan,PALADIN,81
```

```
Elowen,DRUID,57
Lyssandra,ROGUE,56
Seraphine,PRIEST,52
Zarathel,MAGE,42
Tarnok,ROGUE,37
Kaelith,MAGE,27
Garrick,PALADIN,22
Rhogar,ROGUE,12
END
```

2. The addon's export: the raid night (for `/dkpadmin import`)

What it is: one JSON document from `/arm export bot` (here **4642 bytes** on one line, exactly as the addon writes it). It holds the nights since the snapshot was loaded, every item won, the points book, and the **raid** section: what each raider earned and spent tonight against snapshot `c0f2d1ee`.

Top-level fields:

Field	Value	Meaning
`format`	`absolute-raid-bot`	Always `absolute-raid-bot`.
`version`	`1`	Format version.
`addon`	`0.2.0`	The Absolute Raid Management version.
`client`	`forever`	`forever` or `retail`.
`exporter`	`Valdrek`	Who exported.
`guild`	`Absolute Gaming`	Guild name.
`realm`	`Stormrage`	Realm.
`exported`	`1794460800`	When (10:20 PM Arizona).
`nights`	1 night	Who was there, pulls, kills, Raid Companion presence, and the bosses.
`loot`	6 items	Every item awarded, with the winning bid.
`pool`	`Main`	The pool's balances at export time (for reference; the bot doesn't overwrite with them).
`raid`	snapshot + changes	Tonight's earned, spent and every in-game change since the snapshot.

Night: Barrow Deeps, 2026-11-11 (key `2026-11-11 | Barrow Deeps`)

Bosses:

Boss	Result	Attempt	Pulled at	Time
Deepscar Matriarch	Kill	1	7:10 PM	5:00
Khalith the Dreadspinner	Kill	1	7:25 PM	6:00
Amethrax	Kill	1	7:41 PM	7:00
Ravus and Darlissa	Wipe	1	7:58 PM	6:00
Ravus and Darlissa	Kill	2	8:14 PM	8:00

Raiders (`here` = presence checks their Raid Companion answered, out of 5; AFK answers don't count):

Raider	Class	Pulls	Kills	Raid Companion	Here
Brannoc	Warrior	5	4	yes	5
Corvan	Paladin	5	4	yes	5
Dravenor	Warlock	5	4	yes	5

Raider	Class	Pulls	Kills	Raid Companion	Here
Elowen	Druid	5	4	yes	5
Garrick	Paladin	5	4	no	0
Halvena	Priest	5	4	no	0
Ithren	Mage	5	4	yes	5
Kaelith	Mage	5	4	yes	5
Lunavael	Druid	5	4	yes	5
Lyssandra	Rogue	5	4	yes	5
Morwen	Shaman	5	4	no	0
Oswin	Shaman	5	4	yes	5
Rhogar	Rogue	5	4	yes	5
Seraphine	Priest	5	4	yes	5
Sylvaris	Hunter	5	4	yes	5
Tarnok	Rogue	5	4	yes	5
Valdrek	Shaman	5	4	no	0
Vexmora	Warlock	5	4	yes	4
Zarathel	Mage	5	4	yes	5

Thalgrim was out tonight, so he isn't listed. Garrick, Halvena, Morwen and Valdrek don't run Raid Companion. Vexmora answered one check AFK (4 of 5).

Loot (each line has a key, so it's never charged twice):

Time	Item	ID	Winner	DKP	How
7:41 PM	Silkweaver's Shroud	230012	Lunavael	40	Won bid
7:41 PM	Venom-Etched Blade	230013	Rhogar	10	Won bid
7:58 PM	Amethrax's Crystal Heart	230021	Ithren	60	Won bid
7:58 PM	Gemscale Pauldrons	230022	Brannoc	0	Roll 88
8:32 PM	Twinblood Signet	230031	Seraphine	50	Won bid
8:32 PM	Darlissa's Grasp	230032	Kaelith	25	Won bid

The Barrow Wraps were disenchanted, so they aren't loot and aren't in the list.

raid section: started from snapshot `c0f2d1ee`, loaded at 6:40 PM.

Raider	Change	Kind	Reason	By
Lunavael	-40	loot	Won bid	Valdrek
Rhogar	-10	loot	Won bid	Valdrek
Tarnok	-5	adjust	Late to the pull	Valdrek
Ithren	-60	loot	Won bid	Valdrek
Brannoc	+0	loot	Roll 88	Valdrek
Seraphine	-50	loot	Won bid	Valdrek
Kaelith	-25	loot	Won bid	Valdrek

An excerpt of the file (formatted here for reading; the real file is one line):

```
{
```

```
"format": "absolute-raid-bot",
"version": 1,
"addon": "0.2.0",
"client": "forever",
"exported": 1794460800,
"exporter": "Valdrek",
"guild": "Absolute Gaming",
"realm": "Stormrage",
"nights": [
  {
    "key": "2026-11-11 | Barrow Deeps",
    "date": "2026-11-11",
    "zone": "Barrow Deeps",
    "players": [
      {
        "class": "WARRIOR",
        "companion": true,
        "here": 5,
        "kills": 4,
        "name": "Brannoc",
        "pulls": 5
      },
      {
        "class": "PALADIN",
        "companion": true,
        "here": 5,
        "kills": 4,
        "name": "Corvan",
        "pulls": 5
      },
      "... 17 more"
    ],
    "bosses": [
      {
        "attempt": 1,
        "difficulty": "Normal",
        "duration": 300,
        "kill": true,
        "name": "Deepscar Matriarch",
        "started": 1794449400
      },
      "... 4 more"
    ],
    "snapshots": 1
  }
],
"loot": [
  {
    "amount": 40,
    "class": "DRUID",
    "date": "2026-11-11",
    "how": "Won bid",
    "item": "Silkweaver's Shroud",
    "itemId": 230012,
    "key": "1794451260|Lunavael|230012",
    "name": "Lunavael",
    "t": 1794451260
  },
  "... 5 more"
],
"raid": {
  "snapshotId": "c0f2d1ee",
  "importedAt": 1794447600,
  "pool": "Main",
  "spent": {
    "Brannoc": 0,
    "Ithren": 60,
    "Kaelith": 25,
    "Lunavael": 40,
```

```
      "Rhogar": 10,
      "Seraphine": 50,
      "Tarnok": 5
    },
    "earned": [],
    "entries": [
      {
        "by": "Valdrek",
        "delta": -5,
        "kind": "adjust",
        "name": "Tarnok",
        "reason": "Late to the pull",
        "t": 1794451260
      },
      "..."
    ]
  }
}
```


3. The import: what the bot did with it

`/dkpadmin import file: raid-export.json` answered:

Raid nights added	1 (Barrow Deeps, Nov 11)
Raiders	19
Items	6
DKP earned	**342**: 19 raiders × (10 per raid + 2 × 4 boss kills) = 19 × 18
DKP spent	**190**: 185 in winning bids + 5 for Tarnok's late penalty
In-game changes	1 (Tarnok, Late to the pull, -5)
Snapshot	`c0f2d1ee`: the latest, so no warning
Warnings	none

Settings for this guild: `dkp_per_raid` 10, `dkp_per_boss` 2, `earn_source` bot, `start_balance` 50, `require_companion` 0. With `require_companion` set to 1, Garrick, Halvena, Morwen and Valdrek would have been listed as no raid DKP.

Standings before and after the raid:

Raider	Snapshot (6:00 PM)	Earned	Spent	After import
Morwen	86	18	0	104
Brannoc	82	18	0	100
Dravenor	82	18	0	100
Halvena	82	18	0	100
Oswin	82	18	0	100
Sylvaris	82	18	0	100
Valdrek	82	18	0	100
Vexmora	82	18	0	100
Corvan	81	18	0	99
Thalgrim	82	0	0	82
Elowen	57	18	0	75
Lyssandra	56	18	0	74
Lunavael	82	18	40	60
Zarathel	42	18	0	60

Raider	Snapshot (6:00 PM)	Earned	Spent	After import
Tarnok	37	18	5	**50**
Garrick	22	18	0	**40**
Ithren	82	18	60	**40**
Kaelith	27	18	25	**20**
Rhogar	12	18	10	**20**
Seraphine	52	18	50	**20**

Importing the same file again is refused (This exact export was already imported). A later export that also covers this night skips it, because its key is already in the book.

4. The report

Example-DKP-Report.pdf is `/dkpadmin report` after the import. It has five sections:

- **Standings:** everyone's DKP, total earned, spent, raids and attendance %.
- **DKP Earnings:** where each raider's DKP came from: start balance, raid nights, boss kills, bonuses (bench pay, stipends), loot and penalties.
- **Latest raid:** tonight raider by raider: kills, Raid Companion presence, DKP earned and spent, items won.
- **Recent raid nights** and **Recent loot.**
- **The guild's rules.**

All raiders, items and amounts in this example are fictitious.